

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 17534  
Application ID: 10064932  
Title of Invention: INTERCONNECTING DEVICE,  
COMMUNICATION CONTROL  
METHOD, COMMUNICATION  
CONTROL PROGRAM, AND  
COMMUNICATION SYSTEM  
First Named Inventor: Yutaka Nakajima  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-08-30  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: IP2205002US  
Digital Certificate Holder: cn=Karan Singh, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: tv5wyErhrM9E1AMApdLfKg==  
Total Fees Authorized: \$1076.0  
Payment Category: CC - Credit Card  
Credit Card Number: \*\*\*\*\*2016  
Expiration Date: 01312006  
Card Holder Name: Akihiro Ryuka  
RAM User ID: EFSPROD  
RAM Accounting Date: 2002-08-30  
RAM Sequence Number: 516109  
RAM Payment Status: RAM success  
Postal Code: 164-0011

$f(x) = \frac{1}{1+x^2}$   
 $f'(x) = -\frac{2x}{(1+x^2)^2}$   
 $f''(x) = \frac{2(1+x^2)^2 - 2x \cdot 2(1+x^2) \cdot 2x}{(1+x^2)^4}$   
 $f''(x) = \frac{2(1+x^2)^2 - 8x^2(1+x^2)}{(1+x^2)^4}$   
 $f''(x) = \frac{2(1+x^2)(1+x^2 - 4x^2)}{(1+x^2)^4}$   
 $f''(x) = \frac{2(1-3x^2)}{(1+x^2)^3}$

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$\frac{a+b}{c} = \frac{a}{c} + \frac{b}{c}$

specification  
bibd-transmittal  
fee-transmittal

AT-0027US.xml  
epaveapds.xml  
epavefee.xml

Comments:

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 1076**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 2016  
Expiration Date: 20060131  
Authorized Name: Akihiro Ryuka  
Billing Address: 164-0011

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 14	103	\$ 18	0	\$ 0
Independent Claims: 7	102	\$ 84	4	\$ 336

Subtotal For Extra Claims Fees: \$ 336